

19981130.qrp v01_n292.qrs.981130

Date: Mon, 30 Nov 1998 19:03:21 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1292

QRP-L Digest 1292

Topics covered in this issue include:

- 1) [26152] Re: IC Pins
by "Dan Romanchik" <danr@izzy.net>
- 2) [26153] Re: IC Pins
by "John J. McDonough" <jjmcd@tm.net>
- 3) [26154] Printing Help
by Brad Mugleston <bmug@gwl.com>
- 4) [26155] TS-50S as a QRP Rig???
- by James P Rybak <jrybak@mesa7.mesa.colorado.edu>
- 5) [26156] WTB MRF422, MRF466
by James Skalski <jskalski@buffnet.net>
- 6) [26157] AZ book deal, looking for the following
by Scott Howell <showell@hq.nasa.gov>
- 7) [26158] CQWW CW VE7CFD(VE7CQK) SOAB QRP (fwd)
by Paul Erickson <pauale@sfu.ca>
- 8) [26159] Shakespeare 390-1 antenna
by wb8ygg@juno.com
- 9) [26160] Resonant Speaker MEASURED RESPONSE.
by we6w@juno.com (Ed Loranger)
- 10) [26161] CQ WW CW - QRP Mobile
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
- 11) [26162] Re: Printing Help
by "George Heron" <gheron@idt.net>
- 12) [26163] Converting a VECTRONICS VEC-645 into a Z-Match
by Lee Bahr <bahr521@earthlink.net>
- 13) [26164] Resonant Speaker Project: More measurements. <short>
by we6w@juno.com (Ed Loranger)
- 14) [26165] Thanks...
by William-McShan@ouhsc.edu (Mike McShan)
- 15) [26166] Vectronics VEC-645 vs K2 size
by Lee Bahr <bahr521@earthlink.net>
- 16) [26167] CQWW CW
by flydnq7x@primenet.com (Floyd Smithberg)
- 17) [26168] Re: TS-50S as a QRP Rig???
- by "Radman" <radman@best.com>
- 18) [26169] Argo 509 Schematic needed
by "Roger A. McCarty" <rmccarty@earthlink.net>
- 19) [26170] Thanks for advise, BUT...

- by ka7you@juno.com
- 20) [26171] Something old, something new
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 21) [26172] Re: Converting a VECTRONICS VEC-645 into a Z-Match
by "Bruce Barley" <lbbbarley@feist.com>
- 22) [26173] Contesting on WARC Bands?
by Rod Cerkoney <rcw@frii.com>
- 23) [26174] Wire/Rope SSTV And The QRP++
by hamjoel@juno.com
- 24) [26175] Elmer205: Another SPICE - WINSPIEC3
by David Shalita <af389@lafn.org>
- 25) [26176] Re: Contesting on WARC Bands?
by K0RWC <rcw@frii.com>
- 26) [26177] NF3I now a 7-land-er!
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 27) [26178] FOX: IWTF on Turkey Day
by "Franco, Nicholas J" <franco@bnl.gov>
- 28) [26179] Re: TS-50S as a QRP Rig#2
by Baranger1@aol.com
- 29) [26180] Vanity Calls
by "Joiner, Randy - LYSBB" <JoinerR@avionics2.robins.af.mil>
- 30) [26181] Bobtail
by "Joiner, Randy - LYSBB" <JoinerR@avionics2.robins.af.mil>
- 31) [26182] SCAF ?
by Tom Moll <tomm@xata.com>
- 32) [26183] N/T+ fox: 2nd notice for Wed. 12/2 (Thurs. 12/3 UTC)
by "JEFFREY MICHAEL POULIN" <jpoulin@erols.com>
- 33) [26184] Wow! Was than and interesting experience or what, dude?
by nilsbull@juno.com (Nils R Young)
- 34) [26185] Items FS
by Jim_Sweeden@beavton.k12.or.us (Jim Sweeden)
- 35) [26186] PS Help Needed
by Jim_Sweeden@beavton.k12.or.us (Jim Sweeden)
- 36) [26187] N/T+ Fox for 12/2 and 12/4
by applitech@mcg.net (Claton Cadmus)
- 37) [26188] k3cjq information
by Scott Howell <whowell@hq.nasa.gov>
- 38) [26189] QRP-L info
by tom whalen <whalen@swcp.com>
- 39) [26190] Tnx for info re: chicken wire ground screen
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 40) [26191] Straight Key Base
by "Rud Merriam" <rmerriam@csi.com>
- 41) [26192] Switching power supply question
by "DJ Rock" <b2bn@hotmail.com>
- 42) [26193] Re: Elmer 101 SW-40+ sidetone
by applitech@mcg.net (Claton Cadmus)
- 43) [26194] ATT 11-2-10 group

by applitech@mcg.net (Claton Cadmus)

44) [26195] Re: Wire/Rope SSTV And The QRP++
by "George T. Baker" <w5yr@swbell.net>

45) [26196] Fireball
by "Robert Roach" <KE4QOK@worldnet.att.net>

46) [26197] Technical question
by "KEITH P. JOHNSON" <KeithJ@1800surveys.com>

47) [26198] Re: Vanity Calls
by Shepherd@aol.com

48) [26199] RE: Vanity Calls
by "Joiner, Randy - LYSBB" <JoinerR@avionics2.robins.af.mil>

49) [26200] TE NE KE Paddles/NE8KE vs. KK5PY?
by "Kevin F. Glynn" <kfglynn@prodigy.net>

50) [26201] SMA Connector nuts
by "Stewart Whitehouse" <ke4yh@email.msn.com>

51) [26202] RE: Switching power supply question
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>

52) [26203] RE: Straight Key Base
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>

53) [26204] QRP-L info tn timer
by tom whalen <whalen@swcp.com>

54) [26205] Re: NF3I now a 7-land-er!
by ka7you@juno.com

55) [26206] More 11-2-10 notes
by "Steven Weber" <kd1jv@moose.ncia.net>

56) [26207] Re: call lookup
by Brad Bradfield <b_bradfield@yahoo.com>

57) [26208] ADE AND 160-METERS
by Brad Bradfield <b_bradfield@yahoo.com>

58) [26209] Re: TS-50S as a QRP Rig???
by Peter Larsen <larsenp@cadvision.com>

59) [26210] Re: Contesting on WARC Bands?
by Peter Larsen <larsenp@cadvision.com>

60) [26211] CQ WWDX - QRP
by "Bob Kellogg" <ae4ic@nr.infi.net>

61) [26212] Re: Switching power supply question
by "Richard E. Robinson" <rerobins@email.uncc.edu>

62) [26213] Re: Technical question
by "Steven Weber" <kd1jv@moose.ncia.net>

63) [26214] QRP CLOVER ANYONE?
by dave_epps@juno.com

64) [26215] Re: Don't dump on the authors!
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)

65) [26216] Mesa Arizona Hamfest
by Chris Trask <ctrask@primenet.com>

66) [26217] AR-QRP Net Schedule
by Robsparks@aol.com

67) [26218] MFJ9030 FS

- by Duane Alles <ad6he@yahoo.com>
- 68) [26219] Re: FOX: IWTF on Turkey Day
by Brian Murrey <brian@iquest.net>
- 69) [26220] CQ WW
by wd3p@juno.com (Larry Cahoon)
- 70) [26221] S38 Kit For sale
by David Shalita <af389@lafn.org>
- 71) [26222] HW7 FOR SALE
by Brad Bradfield <b_bradfield@yahoo.com>
- 72) [26223] 01' beacons die hard
by sholisky@ktca.org (Scott Holisky)
- 73) [26224] e-QSLs work
by wd3p@juno.com (Larry Cahoon)
- 74) [26225] Re: Technical question
by n2tpa@juno.com (Bill d Lazure)
- 75) [26226] 1998 CQ WW CW DX Contest de W6ZH/QRP
by Pete Hoover <w6zh@ix.netcom.com>
- 76) [26227] Re: Crystal Filter Measurements - DB References
by n2tpa@juno.com (Bill d Lazure)
- 77) [26228] Windows 98 funny....
by Ed Loranger <we6w@qsl.net>
- 78) [26229] surplus electronic instruments
by "rohre" <rohre@arlut.utexas.edu>
- 79) [26230] FS: Ten-Tec 1340 QRP Transceiver
by James Parsons <k5rov@wcc.net>
- 80) [26231] Antenna's West
by Kory Hamzeh <kory@avatar.com>

Date: Sun, 29 Nov 1998 19:16:22 -0500
From: "Dan Romanchik" <danr@izzy.net>
To: <qrp-l@Lehigh.EDU>
Subject: [26152] Re: IC Pins
Message-ID: <01be1bf6\$a95cf960\$08999ecf@danr.izzy.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have an IC inserter to do this. You insert the IC into this device, which bends the leads inward slightly. You position the chip over the socket or the PCB holes, then press a plunger which pushes the IC into the socket. I've also bent the IC leads with a pair of needle-nosed pliers, but I don't like doing that as you stress the leads that way.

Dan

-----Original Message-----

From: Thom <thom@li.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Date: Sunday, November 29, 1998 6:31 PM

Subject: IC Pins

>Hi gang,

> I just spent about an hour or so putting 10 IC's into their sockets.

>Has anyone got any tips to share on bending the pins on these things so

>they line up with the sockets. (Other than the tried and true - if not

>time consuming method - of pressing them onto the table top).

>

>Any thoughts would be appreciated.

>Tom McCulloch

>WB2QDG

>thom@li.net

>

Date: Sun, 29 Nov 1998 19:22:22 -0500

From: "John J. McDonough" <jjmcd@tm.net>

To: <thom@li.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [26153] Re: IC Pins

Message-ID: <199811300025.3760100@is1.tm.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

> From: Thom <thom@li.net>

>

> Has anyone got any tips to share on bending the pins on these things so

> they line up with the sockets. (Other than the tried and true - if not

> time consuming method - of pressing them onto the table top).

A while ago, my daughter got me a computer tool kit, which includes a fancy IC insertion tool - but being an old dog, I still use the tabletop method.

72/73 de WB8RCR
didileydadidah

<http://users.tm.net/jjmcd/>
QRP-L #1446 Code Warriors #35

Date: Sun, 29 Nov 1998 17:45:47 -0700
From: Brad Mugleston <bmug@gw1.com>
To: "'qrp-l'" <qrp-l@lehigh.edu>
Subject: [26154] Printing Help
Message-ID: <01BE1BC0.A7351FE0.bmug@gw1.com>

I'm using Win98 and Office Pro '97 - does anyone know if you can cut(copy) and paste directly to the printer? I get this list in Digest format and would like to print out small sections. Right now I copy and paste to Word and then print - somewhere in the back of my brain I seem to think you could copy and paste directly to print but for the life of me I can't figure out how to do it.

de KI00T, Brad (AKA KB0ROL)

Date: Sun, 29 Nov 1998 18:21:44 -0700 (MST)
From: James P Rybak <jrybak@mesa7.mesa.colorado.edu>
To: qrp-l@lehigh.edu
Subject: [26155] TS-50S as a QRP Rig???
Message-ID: <Pine.OSF.3.91.981129181806.27292A-1000000@mesa7.mesa.colorado.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I would welcome the comments of people who are familiar with the Kenwood TS-50S on this rig in general and as a QRP rig, in particular. Is it better, worse or about the same as the IC-706 MkII and the Alinco HF rigs?

Thanks.

Jim W0KSD

Date: Sun, 29 Nov 1998 20:47:24 -0500 (EST)
From: James Skalski <jskalski@buffnet.net>
To: qrp-l@Lehigh.EDU
Subject: [26156] WTB MRF422, MRF466
Message-ID:
<Pine.LNX.4.03.9811292042160.1919-1000000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Tried 10mtr today and made a contact with Denver using 2 watts on AM.
Need to replace the MRF 422 matched pair to get the rig to work right.

If anyone is in the service field and has a matched pair of either MRF422 ,MRF466 or both I will buy or trade for them. I would hate to buy them from RF parts if someone has them sitting someplace.

73,

Jim n2Go

Date: Sun, 29 Nov 1998 20:48:18 -0500
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-l@lehigh.edu
Cc: cw@qth.net
Subject: [26157] AZ book deal, looking for the following
Message-ID: <3.0.5.32.19981129204818.007ddc80@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am trying to locate Greb Breeden, need your E-mail address and call. Also trying to reach Jim Martin, need your E-mail and call. Please drop me a note at whowell@mail.hq.nasa.gov with that info if you would please.

tnx es 72/73 de Scott/n3byy

Date: Sun, 29 Nov 1998 18:07:41 -0800 (PST)
From: Paul Erickson <paule@sfu.ca>
To: qrp-l@lehigh.edu (qrp)
Subject: [26158] CQWW CW VE7CFD(VE7CQK) SOAB QRP (fwd)
Message-ID: <199811300207.SAA10494@fraser.sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, here is my effort for this year. Heard a few familiar calls from the list. Thanks for the calls. Hope the rest of you had fun.

cheers, Paul VE7CQK/email: paule@fraser.sfu.ca

>

>

CQ WW SUMMARY SHEET

>

> Contest Dates : 28-Nov-98, 29-Nov-98

>

> Callsign Used : VE7CFD

> Operator : VE7CQK

> Category : SOAB QRP

>

> Default Exchange : 5NN 3

>

>

> BAND Raw QSOs Valid QSOs Points Countries Zones

> -----

>

> 160CW 18 18 35 3 3

> 80CW 39 39 82 4 5

> 40CW 96 96 208 16 13

> 20CW 178 178 460 39 18

> 15CW 331 328 734 24 15

> 10CW 262 253 540 19 14

> -----

>

> Totals 924 912 2059 105 68

>

> Final Score = 356,207 points.

>

> Soapbox Comments

>

> Best conditions of my brief contesting career. Nice European opening

> on Sunday morning. Biggest thrill was breaking the pileup on

> the Azores on 15. Biggest disappointment was missing my

> XE multiplier on 160, but finally got my JA mults on

> 80 meters... My thanks again to Dave VE7CFD for his hospitality

> and the use of his station. My original goal was to break 500 q's,

> maybe 1000 q's will be possible for qrp from the west coast soon.

> My thanks to all those who strained to hear my 5 watts.

>

> This is to certify that in the contest I have operated my transmitter within

> the limitations of my license and have observed fully the rules and

> regulations of the contest.

>

> Date ___98/11/29 Signed __Paul Erickson__ Call VE7CQK

>

> -----

> David Shipman VE7CFD dshipman@iSTAR.ca

> Telephone: 604-926-8170

>

> -----

Date: Sun, 29 Nov 1998 21:40:02 -0500
From: wb8ygg@juno.com
To: qrp-1@lehigh.edu
Subject: [26159] Shakespeare 390-1 antenna
Message-ID: <19981129.214002.10638.0.wb8ygg@juno.com>

Anybody ever use one of these antennas?

I got ahold of one.

It's a 23 FT fiberglass vertical. According to the spec, it is resonant at 10.8 MHz, but with good for all HF with a tuner.

Anyway, It's obviously a boat antenna, but I'm thinking of putting it on top of the roof, and maybe add some 30 & 15 Meter radials.

73

Brad

"One of the TICK Guys"

Brad WB8YGG

<http://www.frontiernet.net/~embres>

embres@frontiernet.net

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 29 Nov 1998 22:23:31 EST
From: we6w@juno.com (Ed Loranger)
To: qrp-1@lehigh.edu
Subject: [26160] Resonant Speaker MEASURED RESPONSE.
Message-ID: <19981129.191604.4847.0.we6w@juno.com>

The long awaited for measured data has been taken.

Now, no laughing that it peaks at 800 Hz. This unit was the match for my Drake.

Test set-up was:

HP-Sig gen 600 Ohm Output to <Speaker>.

1/2 Inch space from output plane of speaker to microphone.

Microphone to 2 Watt Audio Amplifier (MFJ-271). Output of MFJ-271 to 1 MOhm input of B&K 1460 O-scope.

(Feel Free to send your spare 100 MHz scope my way :) :)

I measured 700 Hz to 900 Hz after finding the resonant peak of the Resonant speaker. I then found all minor resonances from 10 Hz to 10 KHz.

I repeated this test with the same speaker, but installed in a very large cardboard box. The front of the speaker was taped around the edges to form a good seal to the box.

I then calculated the dB difference between the two speakers installed as mentioned earlier.

Formula used was $20 \text{ LOG}(10) V(\text{Res_spkr})/V(\text{ref_spkr})$
Impedances are equal since I used the same speaker....

I noted that the resonant speaker was 4.93 dB stronger at resonance than the reference speaker. The biggest difference is the roll-off that follows!

Data is referenced to 4.93 dB. (Zeroed out)

```
=====+=====+
FREQ  | dB(relative to peak) |
=====+=====+
700   -10.93
720   n/a
740   n/a
750   -5.23
770   -1.83
800   +0 db (Reference)
820   -3.53
840   -6.02
860   -8.45
900   -11.78
```

So, going for -3db BW points, looks like it has approximately 45 Hz bandwidth.

And all other resonances are at least 10 dB down from the reference. As you can see, this will get the job done nicely.

This particular model is just all duct taped and is using the 1 inch speaker. This is not as good as my 2 inch model I left in the garage. But it is nearly optimized.

I'd have a lot more data, but did all the testing inside the warm house. Unfortunately, the long and strong tones are

met less enthusiastically by the family than when I'm
in the garage making noise.

All for now.

-Ed

72, Ed WE6W QRP-Z#106 <http://www.qsl.net/we6w>

Enjoying Ham Radio every day! Santa Rosa, CA.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 30 Nov 1998 03:44:46 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
To: qrp-l@lehigh.edu
Subject: [26161] CQ WW CW - QRP Mobile
Message-ID: <199811300344.WAA19089@sparticus.bright.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

I spent the 4 day weekend driving to and from upstate NY (from NW
Ohio - about 9 hours one way in the car). Before we left, I threw the
FT-707 and several single band mobile antennas in the car, along with
the DK9SQ mast and loop that I have never had a chance to try....

I spent a couple hours on Saturday on a hill top in WNY on 10, 15,
20, and 40 running 5 watts to the loop - it works! Made about 75
QSO's including an EA9 about an hour before sunset on 40 meters.

Then today I got on 10 meters for the first half of the trip home,
and 15 meters for the second half - Total QSOs for the weekend is
about 175. Not sure about the multipliers, but I eventually worked
most of what I heard. Heard and worked several QRP dx stations that
were on.

Had a good time - QRP mobile in a contest is a bit different!

Oh - The kids and the XYL did the driving!

Hope some of the rest of you got on also - condx must have been good
for me to do as well as I did.

73 - Bill - N8ET
Kanga US
kanga@mail.bright.net
<http://www.bright.net/~kanga/>
419-423-4604

Date: Sun, 29 Nov 1998 22:56:52 -0500
From: "George Heron" <gheron@idt.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>, <bmug@gwl.com>
Subject: [26162] Re: Printing Help
Message-ID: <024501be1c15\$7bf41fc0\$753984a9@herong.dialogic.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

What I have been doing for years now is to "cut" the selected good text messages from the daily QRP-L digest email, open a new email, "paste" the selection into it, and finally put the topic on the "subject" line. I then save the new email to disk as a draft in a special directory.

I've ended up with hundreds and hundreds of wonderful reference emails that I constantly use to recall tips, contest rules, interesting technical threads, cool projects, website links, ... whatever. And I can then selectively print only the reference emails that I need to and keep most of them "online" and readily accessible.

Nothing too novel here, and many guys probably have their own techniques, but this one works great for me because I just about live in my email reader (MS Outlook Express) ... thus, all this great information coming across QRP-L is easily within my fingertips and only a click away. And what a reference "library" I have for myself with all these good messages collected over the years!

72,
--George Heron, N2APB
n2apb@amsat.org in Sparta, NJ

Date: Sun, 29 Nov 1998 23:08:10 -0600
From: Lee Bahr <bahr521@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [26163] Converting a VECTRONICS VEC-645 into a Z-Match

Message-ID: <3662283A.9EBA7C57@earthlink.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

As many of you are aware, Tech America has the Vectronics VEC-645 Mobile HF Antenna Tuner on sale for \$79.95. This seems like a good buy since it has a cabinet, dual meters (cross hair type), switches, knobs, RF connectors (probably SO 239s and not BNC (I hope some will forgive me!)), maybe a usable tapped coil, and pilot lamp no less! Besides all this, the most important part, it looks good. What I am thinking of doing is converting it into a Z-MATCH. Many of us love Z-MATCHES. They tune up almost anything and are very efficient. Why couldn't I remove the tuner guts, maybe re-use the coil or wind a new torroid, one similar to the one used in EMTECH's Z-Match tuner but maybe with just a larger core and match the Emtech's impedences on the new core, then install two dual variable small broadcast band variables for C1a/b and C2a/b. Maybe ad a switch to ad the a/b combination. Now I would have a great looking Z-Match tuner for little cost. I could increase the meters sensitivity by building two amplifiers and installing them between the dual hairline meter and the present bridge. I would have to get the ampifiers matched in gain for the dual meter to be accurate. A circuit similar to the one used in Oak Hill Research WM-2 could be used. So what do you guys think of this? Tell me where I am wrong. Seems to me this would be a GREAT device in a qrp shack. But then again, I have come home from many hamfests with treasures that just didn't seem to work out, so maybe I am not thinking clearly on this one. I feel the parts for \$80.00 would be the greater part of a great little good looking Z-Match project. This could become a Vectronics/Zombie Match with a touch of Emtech/Oak Hills Research to boot! Bye the way, the tuner is 3.6"x 7.25", 8.75" (HWD) and weighs 3.4 pounds before cannibalization /modification. So tell me, what is wrong with my thinking? (I don't want to hear, leave it alone and use it the way it is !!! I want to go in there and break those warranty seals!) Lee Bahr w0vt

Date: Mon, 30 Nov 1998 01:40:31 EST

From: we6w@juno.com (Ed Loranger)

To: qrp-l@lehigh.edu

Subject: [26164] Resonant Speaker Project: More measurements. <short>

Message-ID: <19981129.223325.4319.0.we6w@juno.com>

Hi Gang, rather than raw data, I just want to pass on that I've made two more measurements.

A frequency sweep of the same unit but retuned to 700 Hz. (Tuning takes about 5 seconds)

A frequency sweep of another unit I designed that has significant high frequency roll-off, but somewhat linear low frequency roll-off.

Retuning the the first reported test unit produced nearly identical curves, with a slightly less efficient power output. So a quick tune from 800 to 700 Hz has been measured and the response curve retained its properties.

This next unit uses some concrete material in construction and contains an intact light bulb chamber in one of the chambers. I designed this unit to explore a low-pass design with a nice resonant peak and high efficiency.

This unit produces 10 dB more signal than the other units. Its efficiency is very high. It has a strong peak at 698 Hz and a little peak at 500 Hz. The dip between 500/698 Hz is at 620 Hz.

There is a SEVERE (Good Thing!) Roll-off at the 715 Hz upper -3 dB point. At 800 Hz this slope is down 19.72 dB

I don't know why I'm showing resolution in the 100's spot, I'm sure my measurements aren't that accurate. Of course I use all digits of my calculator when running the math...

So there you have it, gang. Some of the initial data.

More later next week if I don't run out of energy.
-Ed

72, Ed WE6W QRP-Z#106 <http://www.qsl.net/we6w>
Enjoying Ham Radio every day! Santa Rosa, CA.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 30 Nov 1998 00:47:41 -0600
From: William-McShan@ouhsc.edu (Mike McShan)
To: qrp-l@Lehigh.EDU
Subject: [26165] Thanks...

Message-ID: <v01540b01b287efac170f@[207.193.33.41]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks to all who sent info about where to find the HW 8 book. Got a copy ordered! Great group, as always.

72,

Mike N5JKY
Edmond, OK

Date: Mon, 30 Nov 1998 00:55:43 -0600
From: Lee Bahr <bahr521@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [26166] Vectronics VEC-645 vs K2 size
Message-ID: <3662416F.8DDA9038@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For comparison, the Vectronics VEC-645 tuner is 3.6" high, 7.25" wide, and 8.75" deep. The EleCraft K2 transceiver is 2.9" high, 7.8" wide, and 8.2" deep. Slightly taller feet on the tuner would make both boxes the same height. I know the K2 will have an optional built in tuner, but this beast would handle more power if needed and would probably match a greater range of mismatches. Maybe, because I don't know what type tuner the K2 will sport as an option. Also, I understand the K2 can't use a built in antenna tuner if an amp is installed within the rig. Lee Bahr w0vt

Date: Sun, 29 Nov 1998 23:58:36 -0700 (MST)
From: flydnq7x@primenet.com (Floyd Smithberg)
To: qrp-l@Lehigh.edu
Subject: [26167] CQWW CW
Message-ID: <199811300658.XAA27535@smtp03.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well for a casual, time limited, little pistol contestor I'm more than satisfied

with my results this weekend. Added 6 new countries (now 145) with 5X1Z, V63X, VK9LX, 5V7A, 6V6U, 9S0A plus TL0R and BD4EG. Outstanding condx on 10 and 15... and 20 and 40 produced their share too. Worked most of those called, had to do a few repeats and never did get the calls of a couple speed fanatics.

	40	20	15	10	ALL	

QSO	7	22	79	73	179	
DX MULTI	6	6	29	38	79	
ZONES	6	6	19	20	51	
POINTS	17	63	224	197	501	SCORE= 501(51+79) =

65,130

Equip: TS850 @ 5W; ant-3 el triband + 40M @ 42'. ThinkPad/Log-TR
 Op time: ~12 hrs all S&P
 Hope many more QRP-Lrs were in ther too...be sure and send in your log and summary!
 73 Floyd NQ7X Phoenix ScQRPion

Date: Sun, 29 Nov 1998 23:09:46 -0800
 From: "Radman" <radman@best.com>
 To: <jrybak@mesa7.mesa.colorado.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
 Subject: [26168] Re: TS-50S as a QRP Rig???
 Message-ID: <199811300703.XAA13272@proxy4.ba.best.com>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=ISO-8859-1
 Content-Transfer-Encoding: 7bit
 Content-Transfer-Encoding: 7bit

Hi Jim,

I've worked plenty of QRP QSOs with my TS-50S. I think they're selling for around \$799 currently :-). Pros and cons:

Good points: Excellent mobile/portable QRP SSB rig. Small form-factor. Nice user interface. Reasonably good QRP CW rig. Simple pot adjustment (under the hood) to reduce the 10W setting to 5W. Plenty of punch if you like to QRO at 100 watts. General coverage receive. Beefy die-cast aluminum heat sink with a fan. Well engineered -- they're built like a little tank... Mine's 4 yrs old and still ticking after mucho mobile ... never been in for service :-).

Down-side: Current hungry... my-oh-my ;) Over 1.0 amp on receive! Not especially efficient on TX, either :-(They're heavy to pack. If you want to plug and play with the Kenwood ATU, you'll need to bump the RF power up

to activate the ATU, then crank it back down. (It's in the menu)
Alternative is to run the LDG QRP ATU... but always keep the power south of 20 watts. No internal keyer. RX section is adequate and filters are uh.... a bit limited, but you can do a lot with what's there.

Bottom line: if you want to run QRO SSB a good bit of the time, this rig is a real bargain. If you're mostly QRP/CW with little interest in QRO you might have a look at the Elecraft K2 for about the same bux with some nice options. I guess it all depends on your mission in life :-)

Sorry I can't comment on the Icom or the Alinco.

GL - vry 72 - Conrad Weiss - NN6CW

> I would welcome the comments of people who are familiar with the Kenwood
> TS-50S on this rig in general and as a QRP rig, in particular. Is it
> better, worse or about the same as the IC-706 MkII and the Alinco HF
rigs?
>
> Thanks.
>
> Ji

Date: Sun, 29 Nov 1998 23:47:13 -0800
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [26169] Argo 509 Schematic needed
Message-ID: <000001be1c35\$a4ff6d00\$9805b2d1@rmccarty.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello All,

Does anyone have a schematic of the Ten_tec 509 available? I ordered a manual from Ten-Tec, and promptly lost it. Hate to order another. Any help is certainly appreciated.

72

Roger KD6CC

Date: Mon, 30 Nov 1998 02:49:55 EST
From: ka7you@juno.com
To: QRP-L@LeHigh.EDU
Subject: [26170] Thanks for advise, BUT...
Message-ID: <19981130.000554.23047.8.ka7you@juno.com>

Thanks for all the advice on "getting on the air" to improve my code speed.

I fully understand that approach, and endorse it whole heartedly. I've even stated the same approach to others when asked my opinion on 'the best way to gain speed with the code'. But I don't seem to have the time, and don't seem to be able to make the time, on a regular basis. That is the problem, and for me, the solution is to listen to tapes while commuting.

I have a family life, and have had one for almost thirty years. I've been married to the same woman for the whole time, and although she is not interested in the hobby, she does not mind me participating, and spending considerable time at it. I choose to spend a lot of time with my family. I enjoy my family life at least as much as the hobby.

Now I see why some have complained about the replies to their requests or comments.

Several replied with suggestions as to what program to try, and where to locate it. Thank you for the responses. That is exactly what I was hoping for. I really appreciate those who took the time to help.

Many others chose to attempt to 'correct my erroneous ways' as though I had made a terrible life altering decision; to not follow the masses to the alter.

I specifically stated that I wanted to make some tapes to listen to, in the car.

I am not in a rural area where I can do my code practice 'on the air' while driving, and I have a very short commute, much of it fraught with neon sign interference etc. I do have time to listen, and sometimes do listen to HF code transmissions, but cannot drive the Radiomobile every day. It is a full blown VHF/UHF Rover rig, and is just not practical to use as a commuter vehicle every day.

The suggestions to 'forget the tapes' were definitely off base, if not just plain dumb.

One respondent criticized me for 'not making the time' if I was really a QRP enthusiast. To that I say; "May Mr Murphy always consider your operations to be the first stop on his route, and the goddess of winter and ice to be resident there permanently".

Enough said!

Written one day, checked later that night, and sent with no deletions.

7 3,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.
160M thru 1296 MHz-higher bands pending
ARCI-QRP #7251 QRP-L #844 NWQRP #120 and others

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 30 Nov 1998 07:20:23 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: QRP-L List <qrp-l@lehigh.edu>, gqrp-l@blacksheep.org,
towertalk@contesting.com, antennas@qth.net, antennaware@contesting.com
Subject: [26171] Something old, something new
Message-ID: <Pine.GSO.3.96.981130071226.5285A-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

This note will let all know that the utk.edu UNIX system is back on line.
It seems to have preserved all 350 messages that arrived while it was
down.

Added to the site is an old presentation I once made on the utility and
interrelationship of the standard voltage/current/impedance equations for
lossless transmission lines. For many purposes, we do not need the loss
factors included, and often, we do not have them at hand. (N6BV's TLA
will handle those chores.) However, gathering together in one place much
(but not all, and likely not most) of the equations needed to handle most
quantities down a transmission line seemed useful at the time--and may
still be useful to some. It is located in the transmission line/matching
part of the index (last group) as the second entry (11-25-98).

Which is also a way of saying that my site is again accessible.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\ /\ *	/ / /	(Off) (423) 974-7215
1434 High Mesa Drive	/ \/\ \/\	----/\---	(Hm) (423) 938-6335
Knoxville, Tennessee	/\ \ \ \	/ / /	(FAX) (423) 974-3509
37938-4443 USA	/ \ \ \ \		cebik@utk.edu
URL:	http://web.utk.edu/~cebik/radio.html		

Date: Mon, 30 Nov 1998 06:23:21 -0000
From: "Bruce Barley" <lbbbarley@feist.com>
To: <bahr521@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [26172] Re: Converting a VECTRONICS VEC-645 into a Z-Match
Message-ID: <01be1c29\$ed47dfe0\$f205f7c6@lbbbarley>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello, Lee -

What I hear you saying is that for \$80 you are going to get the following:

- > cabinet w/ S0239 's
- > meter
- > switch/knob
- > pilot lamp

For the amount of work you will have to do and the parts you will have to add, this sounds a bit steep for a qrp transmatch. The UPSIDE of this is that you will have a cabinet (is size OK for added parts?), and meter/switch already fitted together. If chassis work and parts acquisition is a challenge for you then GO FOR IT, guy. There's got to be a certain amount of satisfaction from just planning out a conversion like this and then just doing it !

73

Bruce KB0PZD
lbbbarley@feist.com

-----Original Message-----

From: Lee Bahr <bahr521@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Monday, November 30, 1998 5:16 AM
Subject: Converting a VECTRONICS VEC-645 into a Z-Match

>As many of you are aware, Tech America has the Vectronics VEC-645 Mobile
>HF Antenna Tuner on sale for \$79.95. This seems like a good buy since
>it has a cabinet, dual meters (cross hair type), switches, knobs, RF
>connectors (probably S0 239s and not BNC (I hope some will forgive me!)),

>maybe a usable tapped coil, and pilot lamp no less! Besides all this,
>the most important part, it looks good. What I am thinking of doing is
>converting it into a Z-MATCH.
>
>>>>>SNIP<<<<<
>
So what do you guys think
>of this? Tell me where I am wrong. Seems to me this would be a GREAT
>device in a qrp shack. But then again, I have come home from many
>hamfests with treasures that just didn't seem to work out, so maybe I am
>not thinking clearly on this one. I feel the parts for \$80.00 would be
>the greater part of a great little good looking Z-Match project.?
>
>>>>>SNIP<<<<<
>
So
>tell me, what is wrong with my thinking(I don't want to hear, leave
>it alone and use it the way it is !!! I want to go in there and break
>those warranty seals!) Lee Bahr w0vt

Date: Mon, 30 Nov 1998 06:08:07 -0700
From: Rod Cercone <rwcc@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [26173] Contesting on WARC Bands?
Message-ID: <3.0.5.32.19981130060807.007f0100@mail.frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks:

Somewhere I got the notion that contesting on the WARC Bands was a NO-NO.
True/False? I've cruised the web, checked in various ARRL manuals but find
no reference, rules or regs. What's the scoop?

Curious in FtC.

72/3 K0RWC
Rod Cercone, QRP-L #1764.
Fort Collins, CO
da di dah

Date: Sun, 29 Nov 1998 17:15:01 -0500
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [26174] Wire/Rope SSTV And The QRP++
Message-ID: <19981130.082902.-224583.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

HIGH GANG

Here are the results of my attempt to run sstv with the qrp++ and my computer./..

TO GET RID OF THE COMPUTER NOISE

I bought from Radio Shack..... their AC line filter... cut the computer noise a whole bunches...

then I bought some snap-together ferrite data line filters and snap on filter chokes...

I put the data line filter right behind the existing one on the line from the computer to the monitor.... that helped....

I put a snapon filter on the audio board output line.... that helped...

I put a snapon filter on the audio board Input line... didn't notice any difference but it might be working when I xmit so I left it there....

I am going to put another data line filter on the computer to monitor line later on down the road HOWEVER..... The QRP++ IS DOING gREAT ON SSTV NOW....

i'M using jvcom32 (demo) right now and am using switches to feed the xmit audio to the qrp++

I am also using audio isolation xformers at the rig audio out and mic input...

the xformer keys the rig when it is kicked in and I have a 0 to 50k pot on the secondary to adjust the xmit audio level....

Now I gotta work on the ant... signal is weak as one might expect and I'm only doing 6db from the w8jk... if I'm lucky...

Any Bodies on the list doing sstv or rtty... I got a program for that also... trying to get it up and running... Amateur Radio a Rainbow of different things to do...

Terrible, this is the second serious post in a month , gonna ruin my reputation if I don't watch it.... :-)

Joel wa5cvm in maine, watching the pictures on my radio, in the sneaux...

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 30 Nov 1998 06:07:45 -0800
From: David Shalita <af389@lafn.org>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [26175] Elmer205: Another SPICE - WINSPICE3
Message-ID: <3662A6B0.65B5D237@lafn.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi folks,
Many thanks to Chuck K5FO for list of SPICE on WEB.

Check out the SPICE at this site.
I am trying to use it.
Am having some successes.

<ftp://ftp.demon.co.uk/pub/ibmpc/win95/apps/emulators/>

```
-r--rw-r-- 1 archives 1936384 Jul 23 22:54 spice3.exe  
-r--rw-r-- 1 archives 477 Jul 23 22:54 spice3.txt
```

===== Spice Models needed=====

Is there a sight where I can find models for
NPN, PNP small signal transistors such as 2N5109 and 2N5179?

Thanks, 73, W6MIK

--
David Shalita (Dave)
af389@lafn.org
Van Nuys, CA

Date: Mon, 30 Nov 1998 07:35:01 -0700
From: KORWC <rwc@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [26176] Re: Contesting on WARC Bands?
Message-ID: <3.0.5.32.19981130073501.007fab60@mail.frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 06:08 AM 11/30/98 -0700, you wrote:
>Folks:

>

>Somewhere I got the notion that contesting on the WARC Bands was a NO-NO.
---8<---

Thanks for the info folks. I don't care to contest on the WARC bands, in fact I don't care much to contest. I don't have the CW speed/skill, yet, anyway. Just trying to find a "written record" to add to my growing list of reference material. Sounds like this "rule" is more of a gentlemen's agreement. I like it.

I spent the weekend finishing up assembly of my OHR100A. Failed the power-up smoke test, bummer! C195 went up like a small firecracker. :-(I probably installed it backwards, I hate it when I do things like that! So, I'll get that fixed then inspect the board, one more time, for assembly faults.

72/3 KØRWC
Rod Cerkoney, QRP-L #1764.
Fort Collins, CO
da di dah

Date: Mon, 30 Nov 1998 10:31:22 -0500 (EST)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@lehigh.edu>, eax@w3eax.umd.edu, Laurel ARC <larc-l@webtrek.com>
Subject: [26177] NF3I now a 7-land-er!
Message-ID: <Pine.LNX.3.95.981130100659.19701J-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The adventure continues...I start work today. I should have my car and a basic QRP station (Wilderness Sierra, ant tuner, AP-10 balcony antenna) by Wednesday if all goes well.

The dogs are having a great time and it only rains 80% of the time here.

The last two months have been hectic and chaotic and MAYBE things can slow down a bit now?

Oh yeah - I can't believe I showed up in QRP Quarterly THREE times (two

articles plus a picture of me at Tuthill) in the Winter 1998 issue.

Scott Rosenfeld ARS NF3I soon to be N7??
541-346-7401 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Mon, 30 Nov 1998 09:45:09 -0500
From: "Franco, Nicholas J" <franco@bnl.gov>
To: qrp-l@lehigh.edu
Subject: [26178] FOX: IWTF on Turkey Day
Message-ID: <7F3D7334ABE6D11196F500A0C9B426B63F7CD0@exchange.bnl.gov>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Brian,

Good job as our Fox. Nice of you to wish each hound and Happy Turkey Day too. It was great to work you. I know how nerve wracking being the Fox can be, but you'll recover by your next turn for sure :-)

Was this Fox sly or what? I wasn't the only one faked out by Brian's manouvers either. I heard Fred - W2XN right there with me. We would have our shotgun pointed right into that ole FoxHole waiting for him to pop up his head and let him have it, and then
Where did he go? Son of a gun! There he is calling CQ few KC's down the trail. Yep, stickin' his tongue out at us hunters, Naa Naa, Naa Naa - Never going catch me :-) He must have a catecomb (sp?) of Foxholes in his neck of the woods.

But we were diligent and came up with the pelt after a while - Good hunting Fred :-)

Oh! Sorry about delaying our Fox on my turn. I just wanted to correct my call for him and didn't really expect to have another dialog. He probably could have worked a couple more hunters during my exchange time. I could have just corrected the call on email later. I think my brain was still fat from eating that big meal.

72 all,

Nick - kf2ph . .

--

Nicholas J. Franco <>< BROOKHAVEN NATIONAL LABORATORY
Systems Administrator RHIC Project Building 1005
Tel: (516) 344-5467 UPTON, NY 11973-5000
Fax: (516) 344-3674 Ham Call: KF2PH
Email: nickf@bnl.gov <http://www.rhichome.bnl.gov/People/franco>

Date: Mon, 30 Nov 1998 09:51:38 EST
From: Baranger1@aol.com
To: qrp-1@Lehigh.EDU
Subject: [26179] Re: TS-50S as a QRP Rig#2
Message-ID: <c30208e2.3662b0fa@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Jim,
I have a TS-50 as well and feel Conrad hit the nail on the head!
Great rig, I just wish it drew a lot less current.
A 4 amp supply will not satisfy the little bugger, even at the 10 watt
setting.
73 Bill W9WCR

Date: Mon, 30 Nov 1998 09:49:56 -0500
From: "Joiner, Randy - LYSBB" <JoinerR@avionics2.robins.af.mil>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [26180] Vanity Calls
Message-ID: <AD001062E6EFD111AB4A00805F9F46A7544AB9@mustang>
MIME-Version: 1.0
Content-Type: text/plain

Nope it ain't qrp, but I have a question. Where is the best place to
get the latest dope on vanity calls. Thanks

Randy WD4DSX

Date: Mon, 30 Nov 1998 09:49:03 -0500

From: "Joiner, Randy - LYSBB" <JoinerR@avionics2.robins.af.mil>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [26181] Bobtail
Message-ID: <AD001062E6EFD111AB4A00805F9F46A7544AB8@mustang>
MIME-Version: 1.0
Content-Type: text/plain

To all of you who requested information about the bobtail curtain. I mailed the information on Saturday. Since the mailing, I have located a source for the two additional articles I was missing. When I receive them I will make copies and forward them to you also.

72

Randy WD4DSX

Date: Mon, 30 Nov 1998 08:58:18 -0600
From: Tom Moll <tomm@xata.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [26182] SCAF ?
Message-ID: <01BE1C3F.94084580@TOMM>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

After the OHR SCAF (which was a great product) went out of production, I =
thought there were some other similar products in the design stage. If =
any were actually finished and released for sale, I missed them. Is =
there another source for an inexpensive SCAF filter these days?
Tom, NoBS

Date: Mon, 30 Nov 1998 10:13:19 -0500
From: "JEFFREY MICHAEL POULIN" <jpoulin@erols.com>
To: <qrp-1@lehigh.edu>
Subject: [26183] N/T+ fox: 2nd notice for Wed. 12/2 (Thurs. 12/3 UTC)
Message-ID: <199811301517.KAA28762@smtp2.erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello folks: I'm taking my 3rd go round as N/T+ fox this Wednesday night.

QRP-L # 743
call KF4JSV
date WEDNESDAY 12/2/98 (UTC THURSDAY 12/3/98)
time 8 - 10 pm eastern (UTC 0100 - 0300)
rig Ten-Tec Corsair II cranked down to 5 watts
antenna dipole at 25 feet (best I can do at the moment)
frequency will start at 7.123 +/-
QTH Manassas, VA
EXCHANGE: call sign, name, state, power output, QRP-L number

I had mentioned earlier that 7-8 WPM would be a good speed for me to copy.
I am more confident (cocky?) that I can now try 10 WPM, so feel free to
give that a try. Thanks.

Hope to hear all of you.
72/73, Jeff KF4JSV

Date: Mon, 30 Nov 1998 08:31:16 -0500
From: nilsbull@juno.com (Nils R Young)
To: QRP-L@lehigh.edu
Subject: [26184] Wow! Was than and interesting experience or what, dude?
Message-ID: <19981130.083121.4198.0.nilsbull@juno.com>

Gang,

Ok, I'm now at the point where I have two stacks of paper on the bench
where I intend on building the K2. I found stuff that I thought I'd lost
and lost stuff that I thought I'd found. And I had to prepare for
deep-sixing a huge old audio range oscilloscope that was under the bench.
Had to do that since the other box of stuff swept off the bench didn't
have any place to go.

Now to build the two row bookshelves to fit on either end of the room,
make a shelf to sit over the window & next to the antenna connections for
the LF/VLF transmitter project & a piece of plywood for the bench bridge
so parts don't fall into the boxes of stuff hidden under there where I
should have a tool caddy. But that's another story.

So was there a contest on this weekend or what? I sat there cleaning &
judging & pitching & retrieving & pitching listening to the traffic on
40m. Holy moley, dudes! I heard DX on 40m in the afternoon. Serious stuff
too, like down where the 40m Quebecois hash it out with the 40m
Mexicalis. And they were loud!

Oh, was I tempted! Yeah, verily brethren & sistern, I was many times tempted to jump in and try to figure out what the exchange was. Europe, South America and a bunch of other call signs that were very tempting. But no, I had to finish my clean up project. I was not about to be drawn from the task at hand! No! I was filled with the power of everlasting possibilities!

If youse all were in the contest, you probably had a good time.

73
Nils

Nils R. Bull Young :: La Estancia de los Guajolotes Sonrientes
WB8IJN &c :: The Tagalong Press :: email to nilsbull@juno.com
<http://www.geocities.com/Athens/Olympus/9172>
"In my day we had to FIGHT to have email! Every day was a struggle!"
-- Comrade Sergei Nikolaievich McTovarishov

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 29 Nov 1998 12:51:10 -0800
From: Jim_Sweeden@beavton.k12.or.us (Jim Sweeden)
To: qrp-1@Lehigh.EDU
Subject: [26185] Items FS
Message-ID: <fc.000f47cb00778fe7000f47cb00778fe7.778ff2@beavton.k12.or.us>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I once again have a batch of 1", 8 ohm, .2 watt mylar speakers to find new homes for. These have been salvaged from Apple PowerBook 520 computer display bezels, so are not new. In the past I have sent these out in groups of three but would like to up that to four this time as my supply of them is quite large. So the deal this time is four speakers for four bucks, I pay the postage and supply the padded return envelope to anywhere in the US or Canada. Not trying to get rich here, just want to get some of these things out to people who can put them to good use. If groups of four is more that you want, let me know and I'm sure we can work something out. Also would be happy to swap for misc. parts or what ever.

Unbuilt, unopened 38 Special Kit for \$30, shipping included to anywhere in the US.

Thanks and 72,

James
KB7LJP

Date: Sun, 29 Nov 1998 14:12:52 -0800
From: Jim_Sweeden@beavton.k12.or.us (Jim Sweeden)
To: qrp-1@Lehigh.EDU
Subject: [26186] PS Help Needed
Message-ID: <fc.000f47cb00779058000f47cb00779058.77905a@beavton.k12.or.us>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Picked up a Power/Mate Corp. regulated power supply but it is in need of some repair work. The model no. is BPA-40F-P-2750. Anyone out there with any information on this? If so let me know. Always happy to cover copying and mailing costs.

Thanks

James
KB7LJP

Date: Mon, 30 Nov 1998 09:24:54 -0600
From: applitech@mcg.net (Claton Cadmus)
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [26187] N/T+ Fox for 12/2 and 12/4
Message-ID: <028301be1c77\$4ce7d3e0\$a10a5e2c@groucho>

Hello Fox Hunters,

I will be on two nights this week. Only twelve of you have got me, so to the rest of you I'm worth points and a nice QSL card. My speed is very slow so please be gentle. Rig here is either an Omni D turned down to five watts or a SW40+ at 1.8 watts (now working FB and will probably be using this) feeding a 100 foot dipole up about 35 feet or so.

Look for me Wed. evening this week 18:00 to 20:00 CST (12:00 to 2:00 next day UTC). Will start out around 7.108 MHz. I'm overlapping Jeff KF4JSV

who will be on as well. (I want some time to catch him myself)

Also look for me Fri. evening this week 20:00 to 22:00 CST (2:00 to 4:00 next day UTC). Will start out around 7.108 MHz.

I'll call using:

CQ FOX CQ FOX DE KA0GKC KA0GKC K

I will then try and pull a call out of the pack and reply,

URCALL RST #### MN CLA NR 719 URCALL DE KA0GKC KN

Then if you would reply in this double format below it would be helpful to me, (I don't see any reason for me to send double except for the RST as you guys already know the other info) or send RST? RST? if you missed it.

R R RST #### ST ST NAME NAME NR # NR # DE URCALL

And I'll ask for fills or end the QSO with;

TU QRZ FOX DE KA0GKC K

Good luck all the way around, I'll try my best to work you!

73 de KA0GKC Claton Cadmus

cla@mcg.net

Date: Mon, 30 Nov 1998 10:42:11 -0500
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-1@lehigh.edu
Cc: cw@qth.net
Subject: [26188] k3cjq information
Message-ID: <3.0.5.32.19981130104211.0081d3f0@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

tnx to all who replied directly and via the lists. I appreciate the info. Got lots of good info including someone who had worked him. He does in fact go by Ted on the air so ay, guess I wasn't doing so bad, but how I missed Laurel, my own qth is beyond me<G>. well conditions weren't perfect, but was good and I guess you never know what you'll hear coming out of the phones. tnx agn es 72/73 de Scott/n3byy

Date: Mon, 30 Nov 1998 08:43:04 -0700
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [26189] QRP-L info
Message-ID: <3662BD08.4370@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRP-ler's!

Would some kind soul send me the info needed to subscribe and
unsubscribe to to QRP-l?

Tnx and 72, Tom WB5QYT

Date: Mon, 30 Nov 1998 11:05:21 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [26190] Tnx for info re: chicken wire ground screen
Message-ID: <199811301607.LAA56154@pimout2-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

Thanks to everyone who offered help re: using chicken wire.

The experiments will commence and I'll be comparing various verticals
against various dipoles in and around the NYC area.

72 Kevin N2T0
Brooklyn, NYC
kfglynn@prodigy.net

Date: Mon, 30 Nov 1998 01:20:49 -0600
From: "Rud Merriam" <rmerriam@csi.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [26191] Straight Key Base
Message-ID: <000601be1c7e\$7520e660\$2464afce@sisyphus>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

As a tech I haven't gotten much into CW but am going to start working on it. I found a inexpensive straight key at the local ham shop to start my study. But I needed a base. I remembered my wife bought me a pen holder that was on a heavy piece of rock about 6"x8" in size. Had it on the desk a bit but never really used it. The pen holder pried off nicely since it was afixed with double sided tape. That gave me the idea to try some 3M double sided foam with the key. After cutting some to fit the oval bottom of the key I pressed it onto the base. Nice and solid.

Thought someone might appreciate the source for the base and how to afix the key.

Rud Merriam KD5DTV
rmerriam@csi.com

Date: Mon, 30 Nov 1998 08:33:31 PST
From: "DJ Rock" <b2bn@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [26192] Switching power supply question
Message-ID: <19981130163332.21772.qmail@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain

Hiya:
Im looking to get a 20 amp power supply. Ive seen lots of advertisements for the lightweight switching type power supplies. Are these as good as the heavier kind?
Dan (KF4ZKN)

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Mon, 30 Nov 1998 10:26:38 -0600
From: applitech@mcg.net (Claton Cadmus)

To: "Adam B. Kanis" <adam-kanis@uiowa.edu>, <qrp-1@lehigh.edu>
Subject: [26193] Re: Elmer 101 SW-40+ sidetone
Message-ID: <02cc01be1c7f\$fec4fea0\$a10a5e2c@groucho>

One point that has been missed in this discussion is that you can't just alter the sidetone frequency by arbitrarily altering the TX or RX LO's frequency. Now I knew the sidetone was derived from listening to a sample of the transmit freq. I just wasn't sure which LO to move, until after I did it, read the responses to my question, gave it a bit of thought and made some measurements.

First, you must check and perhaps set the RX mixer freq. so a "received" signal is represented by the audio tone you wish to hear, such as 750Hz, when the signal is at the "peak" of the filter response. Notice I used the word represented. The RX LO (or bfo) is adjusted to be offset from the received signal just enough to produce this tone. This is way important as you can adjust the RX LO incorrectly and find that to receive this desired tone you are off to one side within the filter's bandpass. You lose receiver performance in this case.

To make this test is quite simple. Connect a AC volt meter and an audio frequency meter across the speaker. Find a continuous carrier signal, not hard in the 40 meter novice band, and tune the signal for a peak on the meter and then read the frequency. This method isn't the best but it's pretty easy to do. You don't even need to open your cabinet up to check it out.

Better would be to measure the peak audio response with an Oscilloscope connected to the junction of R9/R10 and ground. This avoids the bandpass response of the AF Final.

Once you either know the peak received audio tone or have adjusted it to a desired tone, alter the TX LO so the sidetone matches.

Hope this Helps and 73 de KA0GKC Claton Cadmus
cla@mcg.net

-----Original Message-----

From: Adam B. Kanis <akanis@divis17.ped-gen.uiowa.edu>
To: cla@mcg.net <cla@mcg.net>
Cc: qrp-1@lehigh.edu <qrp-1@lehigh.edu>
Date: Wednesday, November 25, 1998 19:33 PM

Subject: RE: Elmer 101 Sw-40+ sidetone

>cla (and all)
>
>the side-tone in the SW series is derived by 'listening' to a sample of
>the output. since both the transmit and the receive circuits use the same
>vfo, the tone heard is the difference between the TX LO and the RX LO. So,
>any way of decreasing the difference will result in a lower sidetone freq.
>
>when i posted my question to the list and to Dave, NN1G, it seems some
>people adjusted their too-high side tone by altering the TX LO, and others
>did it by altering the RX LO. On my S30+, i increased the capacitance of
>C18 in the receive LO. Whichever way trips your trigger.
>
>sorry it took a bit of time to get back to you. i found myself havin gto
>do one of those intermittantly necessary reinstalls of Win95 - it seems
>that a particular install will only last a certain amount of time before
>it gathers too much junk. so because of that - no good access to some of
>my notes. i do have them backed up to tape, so i'll get them back.
>
>Have you backed up YOUR computer today?
>
>72/73,
>--adam, ak0p
>

Date: Mon, 30 Nov 1998 10:37:22 -0600
From: applitech@mcg.net (Claton Cadmus)
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [26194] ATT 11-2-10 group
Message-ID: <02cd01be1c80\$0014b020\$a10a5e2c@groucho>

Those living in the Janesville, WI area. I was at the Janesville Wally
World last Wednesday and they had about a half dozen Maxon MCB-30 units
there.

Hope this might help someone find one.

73 de KA0GKC Claton Cadmus

cla@mcg.net

MNQRP #1

Minnesota QRP'ers we're looking for you!

Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Mon, 30 Nov 1998 10:57:57 -0600
From: "George T. Baker" <w5yr@swbell.net>
To: hamjoel@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [26195] Re: Wire/Rope SSTV And The QRP++
Message-ID: <3662CE95.DB75F3EB@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

What would Momma say!

72/73, George

Amateur Radio W5YR, in the 53rd year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE #522 ARS 10-X 33.2 N 96.6 W EM13RE

hamjoel@juno.com wrote:

Terrible, this is the second serious post in a month

Date: Wed, 25 Nov 98 11:22:21 PST
From: "Robert Roach" <KE4QOK@worldnet.att.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [26196] Fireball
Message-ID: <MAPI.Id.0016.004534514f4b202030303030303630303036@MAPI.to.RFC822>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"; X-MAPIextension=".TXT"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

I am interested in constructing a Fireball transmitter from my junkbox. =
I have everything I need except a schematic. I have one scematic from =
a magazine article but I thick that there may be a typo. I know that the=
Fireball is simple but this diagram seem just a little too simple.

73

KE4QOK

Bob

Date: Mon, 30 Nov 1998 12:03:08 -0500
From: "KEITH P. JOHNSON" <KeithJ@1800surveys.com>
To: "'QRP-L@LeHigh.EDU'" <QRP-L@LeHigh.EDU>
Subject: [26197] Technical question
Message-ID: <4FA0968CF63CD211BB4A00A0C9D616A11E3F39@MAIL>
MIME-Version: 1.0
Content-Type: text/plain

Hello everyone,

I am looking at a receiver circuit for a QRP rig. It shows four crystals in series with 4 capacitors connecting between the crystals (each is connected right before the crystal with which it is associated). The capacitors go to ground. At the end of the four crystals there is a capacitor in series and that cap connects to the center of a coil. The extreme ends of each side of the coil go to an op amp that acts as the AGC device.

Here is what I was trying to do:
Allow more bandwidth than 600 hertz through the bandpass filter so that the signals do not sound like they are in a "hollow pipe" which is not very appealing to me.

Here is what I have done:
Removed all the caps and all the crystals except the first one. Now I could hear ALL the signals from "sub-woofer" type to "really high" notes and boy that sounded nice! But ...

Here is what the result was:
I heard signals on BOTH sides of the BFO signal. I found that if I reinstall all the crystals I still hear about the same quality and number of signals (which is fine) but I still hear signals on both sides of the BFO. I held one of the capacitors back in place and the HIGH frequency notes disappeared and the "wrong side" of the BFO signals (the remaining low tones) diminished in strength, but also the high frequency signals on the "good side" of the BFO disappeared !

What I think is happening:
I think the capacitors send all the high frequency signals to ground EXCEPT the signals that can pass through the crystals. As one would expect each of the capacitors have specific, selected values for the position it has in the filter setup.

My conclusion:

To get a wider bandwidth only on the "good side" of the BFO I suspect I need MORE crystals to pass a wider bandwidth (that NORMALLY would be taken to ground by the capacitors). There probably no inexpensive substitute for more crystals in this function am I right?

On a more successful note, I used a slingshot and fishing reel to install a few new wire antennas this weekend. Worked great, just like some of you said it would!

Thanks,

Keith KB8FE
Medina, Ohio

Date: Mon, 30 Nov 1998 12:30:29 EST
From: Shephed@aol.com
To: JoinerR@avionics2.robins.af.mil, qrp-1@lehigh.edu
Subject: [26198] Re: Vanity Calls
Message-ID: <cf1552b2.3662d635@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 11/30/98 9:58:16 AM Eastern Standard Time,
JoinerR@avionics2.robins.af.mil writes:

> Nope it ain't qrp, but I have a question. Where is the best place to
> get the latest dope on vanity calls. Thanks

>

> Randy WD4DSX

>

Randy,

The best way is to first check out the FCC's website. (<http://www.fcc.gov>) Go to the Wireless Bureau, and you'll find the info.

To see what call signs might not be used, check out QRZ. (<http://www.qrz.com>)

It took me about two weeks to get mine through the FCC's e-forms.

72, 73
Dan, N8IE

Date: Mon, 30 Nov 1998 12:28:56 -0500
From: "Joiner, Randy - LYSBB" <JoinerR@avionics2.robins.af.mil>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [26199] RE: Vanity Calls
Message-ID: <AD001062E6EFD111AB4A00805F9F46A7544ABC@mustang>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Thanks to all who have responded. I now have all (maybe more hi hi) the information I could ever need. No more postings necessary. You are a very helpful group! Thanks a million!!

72

Randy WD4DSX....soon to be ???

Date: Mon, 30 Nov 1998 12:33:09 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [26200] TE NE KE Paddles/NE8KE vs. KK5PY?
Message-ID: <199811301734.MAA23556@pimout2-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

Just recd my new TE NE KE by KK5PY.

My friend Sid KB2GEK has one from Boyd NE8KE. Boyd's is slightly different with a more squared base and a bit higher off the table. Same jist though.

Does anyone know if they're in it together?

Thanks for info.

72 Kevin N2TO
Brooklyn, NYC
kfglynn@prodigy.net

Date: Mon, 30 Nov 1998 12:25:52 -0500
From: "Stewart Whitehouse" <ke4yh@email.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [26201] SMA Connector nuts
Message-ID: <000401be1c88\$42fc17e0\$c4a32599@default>

Hi folks,

I picked up a bargain at a recent hamfest. A piece of surplus stuff with nine SMA chassis mount connectors on it. Problem is, these connectors are screwed into a machined block of stainless steel and for me to reuse them I need the nuts for mounting. Size is kind of odd 1/4" x 36 pitch. Anyone know of a source for this mounting hardware?

Thanks es 72

Stew KE4YH

Dunedin, Florida

Date: Mon, 30 Nov 1998 11:41:15 -0600
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <b2bn@hotmail.com>
Cc: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [26202] RE: Switching power supply question
Message-ID: <000401be1c88\$a2059f40\$d8016f81@muenzlerk.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Switching supplies are good in a situation where the load is reasonably constant. They are not really good in a situation where the load changes suddenly and often, such as a CW transmitter. They also tend to be noisy (hash) if they are not designed and filtered very well.

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> DJ Rock

> Sent: Monday, November 30, 1998 10:34 AM
> To: Low Power Amateur Radio Discussion
> Subject: Switching power supply question
>
>
> Hiya:
> Im looking to get a 20 amp power supply. Ive seen lots of
> advertisements
> for the lightweight switching type power supplies. Are these
> as good as
> the heavier kind?
> Dan (KF4ZKN)
>
>
> -----
> Get Your Private, Free Email at <http://www.hotmail.com>
>

Date: Mon, 30 Nov 1998 11:42:51 -0600
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [26203] RE: Straight Key Base
Message-ID: <000501be1c88\$dae39330\$d8016f81@muenzlerk.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Marble works great too, although it can be expensive. It is fairly easily drilled (with a masonry drill) if done slowly.

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Rud Merriam
> Sent: Monday, November 30, 1998 1:21 AM
> To: Low Power Amateur Radio Discussion
> Subject: Straight Key Base
>
>
> As a tech I haven't gotten much into CW but am going to start
> working on it. I found a inexpensive straight key at the local ham
> shop to start my study. But I needed a base. I remembered my

> wife bought me a pen holder that was on a heavy piece of rock about
> 6"x8" in size. Had it on the desk a bit but never really used
> it. The pen holder pried off nicely since it was afixed with double
> sided tape. That gave me the idea to try some 3M double sided
> foam with the key. After cutting some to fit the oval bottom of the
> key I pressed it onto the base. Nice and solid.
>
> Thought someone might appreciate the source for the base and
> how to afix the key.
>
> Rud Merriam KD5DTV
> rmerriam@csi.com
>
>
>
>
>
>

Date: Mon, 30 Nov 1998 10:41:08 -0700
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [26204] QRP-L info tnx
Message-ID: <3662D8B4.55AB@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRP-ler's!

Thanks to all of you that send me the QRP-L info. I printed it out this
time!

Not leaving for long, just getting a new server.

Tnx again and 72, Tom WB5QYT

Date: Mon, 30 Nov 1998 12:49:36 EST
From: ka7you@juno.com
To: ham@w3eax.umd.edu
Cc: qrp-l@Lehigh.EDU
Subject: [26205] Re: NF3I now a 7-land-er!
Message-ID: <19981130.100548.23047.16.ka7you@juno.com>

Scott,

Greetings from the Great NorthWe(s)t! Where the moss hangs heavy on the ladder line, the trees grow tall, and slugs should be the state animal.

You have a lot of nerve, calling yourself a "7-lander". You haven't been there long enough to get your feet wet, much less get the webs growing between your toes. And there you go telling others that it only rains 80% of the time. I'd better plan on coming south to 'aregun' to see all that sunshine. :>) Call me when you learn to "QUACK".

7 3,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.
160M thru 1296 MHz-higher bands pending
ARCI-QRP #7251 QRP-L #844 NWQRP #120 and others

On Mon, 30 Nov 1998 10:31:22 -0500 (EST) "Scott Rosenfeld [NF3I]"

<ham@w3eax.umd.edu> writes:

>The adventure continues...I start work today. I should have my car
>and a

>basic QRP station (Wilderness Sierra, ant tuner, AP-10 balcony
>antenna) by

>Wednesday if all goes well.

>

>The dogs are having a great time and it only rains 80% of the time
>here.

>

>The last two months have been hectic and chaotic and MAYBE things can
>slow

>down a bit now?

>

>Oh yeah - I can't believe I showed up in QRP Quarterly THREE times
>(two

>articles plus a picture of me at Tuthill) in the Winter 1998 issue.

>

>Scott Rosenfeld ARS NF3I soon to be N7??

>541-346-7401 Eugene, OR Land o' much rain

>If you find me on the air, I'm probably in my car

>ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

>

>

>

>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 30 Nov 1998 13:14:17 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [26206] More 11-2-10 notes
Message-ID: <199811301800.NAA24480@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Howdy,

Braking free the VCO slug with out braking it is still a problem for many. It looks like Acetone in the only stuff that works well to loosen up the glue. You really have to soak it in there (use a Q-Tip). Rock the slug back and forth gently until it brakes free. Then completely remove it with out stopping, while you continue to hold the Acetone soaked Q-Tip to the slug. If you stop turning the slug, it will probably freeze up again.

Once you have the slug removed, use more Acetone/Q-Tip to clean up the threads in the coil form. After that, it should be pretty easy to reinstall the slug and adjust it.

Work in a well ventilated area, Acetone is kinda nasty stuff.

The other three coils that are wound directly on a core are also hard to brake free. In retrospect, the additional improvement in Rx sensitivity or power out you can get from adjusting these slugs is minimal, compared to the risk of damaging them, so your probably better off leaving well enough alone and not touching them.

Adjusting the Tx Band Pass Filter to get any power out is very touchy and very critical. Tune each slug a little at a time. Both slugs will be at very nearly the same height when adjusted properly and stick about half way out of the coils.

I converted another Maxon last night for several reasons. Everything worked just as it should have, but I was getting very low power out. 1 watt was the best I could do. After much poking around and comparing signal levels to my original unit, I found the doubler transistor was just not getting enough drive from the VCO.

I added a little more capacitance (22 pfd) to the base coupling cap (C704, right next to the VCO shielded box) and that brought the power right up to 4 watts. So, if your sufffering from low power

out, try that fix.

72,

Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Mon, 30 Nov 1998 13:02:44 -0800
From: Brad Bradfield <b_bradfield@yahoo.com>
To: whowell@hq.nasa.gov, qrp-l@lehigh.edu
Subject: [26207] Re: call lookup
Message-ID: <366307F4.7F1D@yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Scott - -

QRZ is updated daily from the FCC database updates, so IF you have the
call correct, it should be in there. I know this because the FCC issued
my vanity call on 11/24, and on 11/25 QRZ already had me updated.

72's es 73's,

Brad

Date: Mon, 30 Nov 1998 10:27:51 -0800 (PST)
From: Brad Bradfield <b_bradfield@yahoo.com>
To: Message posts for QRP-L <qrp-l@lehigh.edu>
Subject: [26208] ADE AND 160-METERS
Message-ID: <19981130182751.7676.rocketmail@send206.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Good afternoon y'all - -

Hope everyone had a great Thanksgiving!

I saw a note here from Ade the other day about getting his Sierra up
and running and getting on 160-meters for the first time in 25 years
or so.

If you want to hear a great story, get Ade to tell y'all about the long wire antenna he had stretched out through the trees along the highway when he lived out between Vermillion and Meckling, SD. Seems the monster got hit by lightning and vaporized in the process. Guess Ade was lucky that he and the rest of the house didn't get vaporized too.

Oh, well.

72's es 73's,

Brad, W5CGH

(ex WB0CGH)

==

Brad Bradfield, PE W5CGH Systems Engineer
Raytheon Systems Company

Real men talk with their fingers!!

QRP-L #377

ARS #72

Austin QRP Club #e

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Mon, 30 Nov 1998 18:41:26 +0000
From: Peter Larsen <larsenp@cadvision.com>
To: jrybak@mesa7.mesa.colorado.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [26209] Re: TS-50S as a QRP Rig???
Message-ID: <3662E6D6.4CBB7BFE@cadvision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Jim;

I think you would be happier with the 706 from Icom.
The TS-50 is a great little rig. Works well as a mobile rig
as well as fair to middlen as a base. Does QRP (sort of.) Good receiver
and good audio out.

I have used a TS-50 and also own a 706 mk 1.
My 706 is my primary mobile rig. It lives in my truck. It is great as a mobile rig. Added bonus over and above the TS-50 is the 6 and 2 meters. The new "G" model will also have 440 in it. It is QRP capable (5 watts any ways) set by a menu. It is the best mobile rig I have ever used! It's main failing IMHO is as a base station rig. I use a TS-690 SAT as my base. I have used: FT-1000D, IC735, IC725, TS-440, TS-450, TS-850 and a IC765 as base stations/contest rigs over the years. By far the 706 is the poorest base station rig I have ever used.
Too small of a box to put in the parts that a FT-1000 has.
I have never used the Alinco so can't comment on it.

My advise (for what it is worth): Get the IC-706 MkiIG use it and enjoy it.

--
73 es have fun
Peter
VE6YC D021wc

Q. What does the agnostic dyslexic insomniac do at night?
A. Lies awake wondering whether there really is a dog.

Date: Mon, 30 Nov 1998 18:52:00 +0000
From: Peter Larsen <larsenp@cadvision.com>
To: rwc@frii.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [26210] Re: Contesting on WARC Bands?
Message-ID: <3662E950.C2DE8ABA@cadvision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

NO!!! NEVER!!! DON'T DO IT!!!
The warc bands are a great place to go on contest week ends and they are too small band width wise to really run a test on. Esp. 24 megs. 24.890 to 24.990. They are great QRP bands as well because there are few linears/ 5 elem monos used as of yet. I plan to build a 3 elem mono for 24 meg in the new year, I look forward to DXCC rag chew style shortly after.

--

73 es have fun
Peter
VE6YC D021wc

Q. What does the agnostic dyslexic insomniac do at night?
A. Lies awake wondering whether there really is a dog.

Date: Mon, 30 Nov 1998 13:54:48 -0500
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: "qrpforum" <qrp-l@lehigh.edu>
Subject: [26211] CQ WWDX - QRP
Message-ID: <199811301859.NAA11315@fh106.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, guys,

I hafta tell ya -- QRPin' with the big boys is a lot of fun!

Spent 6 hrs, 15 minutes working the DX contest this weekend. Used my Super Sierra and my Broken Loop (c) antenna. I meant to work some on 80M and 160M early in the morning, but just didn't get up when I should have, so just had contacts on 10M, 15M and 20M.

Made just 49 contacts hunting and pouncing. Broke my usual rule and listened more and called more than three times for some of the DX with pile ups. Also stopped in the middle of contest to replace a choke and realign my BFO, so my rate wasn't too good. (except for the rate I was having fun, --that was pretty good!!)

49 contacts, 18 Zones, 24 countries

Contacts include:

HV7A -- someplace in Africa, I think, or the Vatican??

KL7RA, Alaska, of course.

Argentina

Brazil

TL0R, Central Africa

Finland

Germany

Ireland

KH7R, Kure Island -- out in the Pacific somewhere

Lithuania
Malta
JT1A, Mongolia ?, (no wonder there was such a big pile up)
5N0/OK1AUT, Nigeria
Netherlands
UA0SAD, Asiatic Russia
Spain
Sweden

Heard a lot of Japan stations, but never got one to hear me.

Hee Hee! What fun! I'm still a-grinnin'!

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Probably, but not nececelery. -- Benny Hill

Date: Mon, 30 Nov 1998 14:08:36 -0400
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: b2bn@hotmail.com
Cc: qrp-1@lehigh.edu
Subject: [26212] Re: Switching power supply question
Message-ID: <v03102805b28887f64629@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dan,

I've seen switching power supplies go haywire and take out lots of components on the equipment they are connected to. I've seen this happen in computer monitors and computer mother boards, BTW, not in ham equipment. For this reason though, I do not use switching power supplies with any of my ham gear.

As has already been posted, they are the source of lots of noise associated with computers and monitors if not properly designed. They are also a real bear to fix if you ever have trouble with one, not like a simple old linear power supply. If you do get one, make sure you get the schematic with it, that will save you hours of fumbling if it ever needs repair. There are as many ways of designing a switching power supply as there are manufacturers. Also be aware that some of the chips used to monitor current and voltage and control the switching transistor circuitry can be very difficult if not impossible to obtain or even cross reference.

Some folks use them, love 'em and never have any trouble with them. In my biased opinion they aren't worth the savings in weight. I've built almost

all my QRP gear and value it too much to chance it's getting fried by saving a few pounds in power supply weight.

72/73,

Rick kf4ar

P.S. Anyone who's ever touched the heat sink of a switching transistor while it's powered up and running, raise your hand. It gets your attention, doesn't it?

Date: Mon, 30 Nov 1998 14:47:14 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: KeithJ@1800surveys.com
Cc: qrp-1@lehigh.edu
Subject: [26213] Re: Technical question
Message-ID: <199811301934.0AA04077@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

> I am looking at a receiver circuit for a QRP rig. It shows four
> crystals in series with 4 capacitors connecting between the crystals
>
> Here is what I was trying to do:
> Allow more bandwidth than 600 hertz through the bandpass filter so that
> the signals do not sound like they are in a "hollow pipe" which is not
> very appealing to me.
>
Hi Keith,

I'm suprised a 600 Hz BW filter sounds like a "hollow pipe", that's actually fairly wide already.

In any event, the way these work is quite a bit more complicated than what you describe, in fact, I'm not sure I quite understand it all myself.

In general, the BW of a xtal ladder filter is set by several factors. One is how well matched the xtals are. Mismatched xtals will tend to "stager" tune the filter and make it wider. In fact a SSB filter will

often use xtals that are a few hundred Hz apart to make them wide enough.

The values of the capacitors play a big part in how wide the filter is. The larger the value, the narrower the filter. As you found out, with no caps, you loose the sideband rejection.

The frequency of the xtals also play a part. Xtals in the 4 Mhz region make good narrow filters, while those in the 9 Mhz range are more suited for SSB. Adding caps in series with the xtals can also make the filter wider.

Finally, the termination impedance plays a part in the BW. In your case, this may not be too easy to change.

Your best bet for making the filter a little wider is to reduce the value of the caps. 20 or 30 % smaller might do the trick with out loosing the opposite sideband rejection.

For more detail on xtal ladder fitlers, see "Introduction to RF Design" by Wes Hayward, which also includes software for desgining these fitlers. Also, there is a section on them in "QRP Classics".

Hope this helps, good luck.

72,

Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Mon, 30 Nov 1998 11:53:44 -0800
From: dave_epps@juno.com
To: qrp-l@lehigh.edu
Subject: [26214] QRP CLOVER ANYONE?
Message-ID: <19981130.115344.-55505.4.dave_epps@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The new DXP modem (external DSP38) would sure open up more digital modes to QRP. They said delivery expected mid-december.
dave ab5pc fresno, ca.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 30 Nov 1998 12:22:43 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: "mike czuhajewski" <wa8mcq@erols.com>, "QRP forum" <qrp-l@lehigh.edu>
Cc: "Bob Gobrick" <rgobrick@worldnet.att.net>, "Buck Switzer" <n8cqa@tir.com>,
"Byron Johnson" <byron8lcz@aol.com>, "Cam Bailey" <kt3a@juno.com>,
"Danny Gingell" <k3tks@abs.net>, "Dave Johnson" <wa4nid@amsat.org>, "Hank
Kohl" <k8dd@contesting.com>, "Jim Stafford" <W4Q0@america.net>,
Subject: [26215] Re: Don't dump on the authors!
Message-ID: <01be1c9f\$2ff4c220\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Mike this is in reply to your wanting to send \$275 to the Arizona Scorpions in the name of NA5N, ARCI and NorCal. I thought that this matter was taken care of but obviously it has not been.

First of all, both Jim and I are in full agreement that we do not want nor need any reimbursement from ARCI. We so indicated that in an email from Jim to you. He is on vacation in Australia, and that is why I am answering instead of Jim, but I do speak for both of us in this matter. In 1995, we agreed to host an open house for QRPers and to pay the expenses. Our speaker was Paul Harden. The room cost us \$75, coffee was \$65 (boy was that good coffee!!) and chips and sodas etc. was another \$75. We knew what the cost was when we agreed to do it, and were glad to spend the money on behalf of QRP, and consider it money well spent.

ARCI and FDI had a problem with Paul, and that is between the two of you. It does not involve NorCal. We have no control over how you spend your money, but we do have a say as to how our name is used. Please do not involve NorCal's name with any gift of money from ARCI to the Arizona ScQRPions.

We have moved on from 1995 and consider the matter closed. Nothing is owed NorCal from ARCI, if we felt that it were, we would have presented a bill.

NorCal received credit for hosting a nice open house that was well received by the QRPers in attendance. We were able to provide information and entertainment for QRPers, which is all that we want to do. As I said before, we got full value and more from the expenditure.

I fail to see the connection between ARCI, the problem that they had with Paul, NorCal and the Arizona ScQRPions. I don't even know if they existed

72, Doug, KI6DS

Is the Mesa, Arizona, hamfest to be held this coming Saturday, 5 December?

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Mon, 30 Nov 1998 15:33:57 EST
From: Robsparks@aol.com
To: qrp-1@lehigh.edu

Subject: [26217] AR-QRP Net Schedule
Message-ID: <5fd3e3be.36630135@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

AR-QRP Net Schedule
Following is a list of Arkansas QRP Club nets:

Monday Night	0130Z	3.560 mhz	N9ZZ	Bob AR-QRP #1 is NCS
Wednesday Night	0130Z	7.042 mhz	AB5ZD	Bob AR-QRP #277 is NCS

Non-members are welcome (and encouraged) to check in!

Date: Mon, 30 Nov 1998 12:59:51 -0800 (PST)
From: Duane Alles <ad6he@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [26218] MFJ9030 FS
Message-ID: <19981130205951.24115.rocketmail@send205.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi All,

Cleaning out the shack. I have a MFJ9030 with filter for sale.
Excellent condition & works great. \$110. plus shipping.
Pls respond by direct email.

73/72
Duane, AD6HE

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Mon, 30 Nov 1998 13:50:28 -0800
From: Brian Murrey <brian@iquest.net>
To: franco@bnl.gov
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [26219] Re: FOX: IWTF on Turkey Day
Message-ID: <36631323.D3557E@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

In all honesty....I'm not too sure how "sly" I was. You see, I stuck my big fat ham hand up by the 40A a couple of times and, well, I smacked the tuner ka-nob a couple of times, inadvertently of course. Just evidence of my rookie-ness.

> Was this Fox sly or what? I wasn't the only one faked out by Brian's
> manouvers either. I heard Fred - W2XN right there with me. We would have
> our shotgun pointed right into that ole FoxHole waiting for him to pop up
> his head and let him have it, and then

--

=====
NORCAL Zombie Brian Murrey KB9BVN QRP-L #1540
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - NORCAL 40A - Attic Dipole - 1.8w
=====

Date: Mon, 30 Nov 1998 21:45:27 +0000
From: wd3p@juno.com (Larry Cahoon)
To: qrp-l@Lehigh.EDU
Subject: [26220] CQ WW
Message-ID: <19981130.215126.4062.0.wd3p@juno.com>

Well I just played around in the contest and ended up with about 75 QSOs. I have no idea what the score was as I never put it into one of the contest programs. Fun was working HI and AK four times each from the east coast Sunday afternoon/evening. Even worked AK twice on 10 Meters an hour after sunset. The high point was catching KL7Y on 15 Meters at 500 mWatts to complete WAS QRPp.

73 de Larry....WD3P
WAS with total power of 14.1 Watts
USA-CA with an average power of 48.5 watts and falling
<http://www.erols.com/lejek/>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 30 Nov 1998 13:57:56 -0800
From: David Shalita <af389@lafn.org>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [26221] S38 Kit For sale
Message-ID: <366314E4.AC23DE07@lafn.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For Sale, unbuilt S38 Kit with new correct Crystal. Kit consisting of blank pcboard and plastic envelope with loose parts is in the original padded mailing envelope as received in March 1997, from Jim Cates.

Asking \$20 plus \$3 USPS "Priority Mail" anywhere in US.

73, W6MIK

--

David Shalita (Dave)
af389@lafn.org
Van Nuys, CA

Date: Mon, 30 Nov 1998 14:20:34 -0800 (PST)
From: Brad Bradfield <b_bradfield@yahoo.com>
To: Message posts for QRP-L <qrp-1@lehigh.edu>
Subject: [26222] HW7 FOR SALE
Message-ID: <19981130222034.18787.rocketmail@send202.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hello y'all - -

There is currently a Heath HW-7 for sale on Ebay. It is item number 45769476. If you're not familiar with Ebay, go to < www.ebay.com >. Select SEARCH, and enter the item number above in the appropriate spot.

DON'T CALL OR E-MAIL ME!!! I know nothing about this item or it's seller. I only saw it listed and thought I'd mention it over here for users and collectors of Benton Harbor "Green Boxes."

72's es 73's,

Brad, W5CGH
(ex WB0CGH)

==

Brad Bradfield, PE W5CGH Systems Engineer
Raytheon Systems Company

Real men talk with their fingers!!

QRP-L #377
ARS #72
Austin QRP Club #e

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Mon, 30 Nov 1998 16:20:48 -0600
From: sholisky@ktca.org (Scott Holisky)
To: qrp-l@lehigh.edu
Subject: [26223] 01' beacons die hard
Message-ID: <fc.000f548a003bad82000f548a003bad82.3bae80@ktca.org>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

This was the technical qsl on my past qrp beacon. It ran 1 milliwatt ERP,
and had a range over 60+ miles (to the edge of the grade b contour...).

Thank you for the reception report on the WB0ATR/BCN signal.

A brief history of how this came to be.

In April of 1996 KTCA, the public television station in St.Paul, replaced
it's 20 year old RCA transmitter with a new Harris Platinum series
transmitter. The new transmitter utilizes broadband solid-state circuitry.
It became apparent that this feature along with the broadband nature of
KTCA's panel antenna system would make for fine carrier of a beacon signal.

On December of 1996, I received official permission from the FCC in

Washington, D.C. to allow me to inject a low level signal into the KTCA transmitter chain for the purpose of generating an amateur six meter beacon signal. This along with the permission of station management, and about a dozen others all offering positive support to the proposal, led to the enactment of the original concept.

The beacon signal is operating on a frequency removed from the KTCA signal. With proper injection techniques this has resulted in no impact to the technical parameters of the main broadcast signal. It is much like sharing the same tower, only the beacon starts at an earlier point. With the beacon signal going through the transmitter chain, we now have the added bonus of having a signal that along with KTCA's known characteristics allows a "calibrated" signal to be broadcast.

Some of the obvious benefits of having the beacon and things you can do with it.

1. Propagation tool, for all amateurs.
2. Calibration signal for measuring your antenna's performance against a standard. (Gain, front to back, side rejection, etc. now can accurately be verified.)
3. Over all system gain measurements. Let you measure improvements on changes you make.
4. Frequency calibration. The beacon's frequency is a TCXO laboratory type generator and presently is stable within a couple of hertz.
5. Most importantly the injection scheme allows for easy access to the six meter band in the event of a need from the emergency folks.

Please feel free to send suggestions on how this beacon signal may be improved to better serve the amateur community.

Well if you got this far, thanks. As I said earlier, the gear has moved. The injection points remain. (01' beacons die hard.)

The equipment is now in use on 28.255 at 125 mw erp Astron 1/2 wave vertical antenna.

Do I know how to have fun or what?

Scott N0AR St.Paul, MN

sholisky@ktca.org

Date: Mon, 30 Nov 1998 22:21:14 +0000
From: wd3p@juno.com (Larry Cahoon)
To: qrp-l@Lehigh.EDU
Subject: [26224] e-QSLs work
Message-ID: <19981130.222114.15630.2.wd3p@juno.com>

As I sent my last message out to the group I also send out an email to verify a HI county I worked in the contest. The answer came back within ten minutes. The electronic one's work - plus I don't need a card for that QSO. I got his e-mail address from the QSL databases on the web.

73 de Larry....WD3P

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 30 Nov 1998 17:34:40 -0500
From: n2tpa@juno.com (Bill d Lazure)
To: KeithJ@1800surveys.com
Cc: QRP-L@Lehigh.EDU
Subject: [26225] Re: Technical question
Message-ID: <19981130.173450.7574.2.N2TPA@juno.com>

Keith,

It just so happens that I've been playing with XTAL filters quite a bit lately. The best article I've found is "Ladder Crystal Filter Design", by J.A. Hardcastle G3JIR, QST Nov 80, Pg. 20. In this article are several formulas to figure Bandwidth as a function of center frequency, terminating impedances, and coupling capacitors.

Without going into the math, GENERALLY, the lower the coupling capacitances, the wider the bandwidth. Keep in mind, when you change the coupling capacitances, it changes the terminating impedances. Leaving the impedances the same may increase the in-band ripple of the filter. For CW use, that may not matter.

Increasing the number of crystals in the filter seems to mainly sharpen the cutoff shape of the filter. This could be an advantage if you have an unusually "hot" station right at the edge of your passband. Again, adding more xtals could adversely affect the filter's performance, and force you to re-calculate new coupling capacitances.

Nice to see a tough technical topic raised on this list. Keep working at it, it'll come!

73,
Bill
W2EB

KEITH P. JOHNSON" writes:

>
>Hello everyone,
>
>I am looking at a receiver circuit for a QRP rig. It shows four
>crystals in series with 4 capacitors connecting between the crystals
>(each is connected right before the crystal with which it is
>associated). The capacitors go to ground. At the end of the four
>crystals there is a capacitor in series and that cap connects to the
>center of a coil. The extreme ends of each side of the coil go to an
>op
>amp that acts as the AGC device.
>
>Here is what I was trying to do:
>Allow more bandwidth than 600 hertz through the bandpass filter so that
>the signals do not sound like they are in a "hollow pipe" which is not
>very appealing to me.

>SNIP<
>
>Thanks,
>
>Keith KB8FE
>Medina, Ohio

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 30 Nov 1998 16:39:14 -0600 (CST)
From: Pete Hoover <w6zh@ix.netcom.com>
To: qrp-l@Lehigh.EDU
Cc: w6zh@ix.netcom.com
Subject: [26226] 1998 CQ WW CW DX Contest de W6ZH/QRP
Message-ID: <3.0.16.19981130143703.32e77922@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Greetings ...

During the 48 hour period starting about 4 PM, last Friday, and

ending at 4 PM, PST, Sunday, I spent a little over 12 hours operating the 1998 CQ WW CW DX Contest. I chose the Single Operator, unassisted, single band (10 meters), QRP category.

After the din died down, I had 129 QSO's with 49 different DXCC countries in 25 CQ-designated Zones. I actually had 141 Q's, but the computer "ate" 12 of 'em, but that's a different story. Total score, 26,492.

Included in the "retained" log were such goodies as G0IVZ-England, EA4ML-Spain, BM0QRP-Taiwan (who was this???), VK9LX-Lord Howe Island, YE3C-Indonesia, XU2A-Cambodia, EA9EA-Cueta y Mellia, 6V6U-Senegal, D44BC-Cape Verde Isds., ZS6EZ-So. Africa, and dedicated QRPer KH6/WB6FZH-Hawaii. Of the remaining 118 Q's were 51 JA's.

I had operated this contest in year's past, but had entered the "QRP, All Band Category". Granted, I had contacts from 160 through 10 meters, but I was up at weird times and didn't get much sleep and was competing with the East Coast folk who could run Europe! I decided that this time I wanted two good night's sleep during the contest, and since 10 meters is basically a "daytime here" band, that seemed appropriate. With WWV propagation information and the MiniProp 2.5 forecasting program running on my laptop I had a constant visual indication what areas would be "open" on 10 - and it worked very well.

Equipment used: Ten Tec Omni 6+ with all the great filters, choked down to 4.9 watts output (with WM-1 wattmeter in line to make sure), a QRO/LDG tuner, and for antennas a KT34XA at 75' plus a R-5 at 20'. I used the shack 386 33 MHz clone running Version 6.26 of the TR-Log program to do the logging, key the rig, and control the frequency. With the exception of the operator error that "dumped" the 12 Q's as previously mentioned, all worked well. For me, paper logging during contests is a thing of the past!

I haven't yet checked to see how many QRP "new ones" I worked, but I'm sure there are a few. It was great fun, the JA's are very good contest operators, and are the key for us "Left Coast" folk to run up a good score - particularly on a band that is occasionally closed to our Right Coast competition. And remember, DX contest operators - particularly those on a contest DX-pedition - are excellent operators and can hear two wires being rubbed together 12.5K miles away! If you're in the right place at the right time, they'll hear you!

And finally, it all goes to show that you don't really need lottsa power to work dx. And a DX contest is a great way to sharpen your operating skills and to build up your DXCC total!

GL in the test, OM

de Pete, W6ZH

Date: Mon, 30 Nov 1998 17:46:30 -0500
From: n2tpa@juno.com (Bill d Lazure)
To: QRP-L@Lehigh.EDU
Subject: [26227] Re: Crystal Filter Measurements - DB References
Message-ID: <19981130.174636.7574.3.N2TPA@juno.com>

Gang,

Thanks to all who gave the advice on how to properly terminate these. I "chickened out", learned how to make Z matching transformers, and am using them. The active matching devices, while easier, seemed a little too prone to distortion and noise for my taste.

Can't post without a question: Why is it that the transformers I wind always seem to end up 10% to 15% different than the Handbook says? Should I actually expect the loss in the core to not be as negligible as the good book says?

Anyhow, thanks all!

72,

Bill
W2EB

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 30 Nov 1998 23:35:56 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [26228] Windows 98 funny....
Message-ID: <36632BDC.1EE8@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just got a recent sale flyer. They have Windows 98 on sale at some place using 'Tech_Direct' email address.

They mention the low discount price of: \$85.95

They blew it on this one. They could have been a lot cuter by selling it for \$86.95

Get it? You "86" windows 95.

Like you "86" a rowdie from a quiet restaurant.

Disclaimer:[See Note Below**] I have no connection with any windows product, am not attempting to promote or discourage the use or purchase of any products herein metioned. Message submitted as tongue in cheek.

72/Ed we6w

** Note:In messages supporting the purchase of a SGC radio, and not mentioning any other alternatives, I have yet to see a disclaimer from the party that is promoting the purchase of same SGC radio.

Just my observation. (Not an attack on any individual -- Life is too short.)

--

72, Ed WE6W (CW only/VP-0); <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: 30 Nov 1998 17:37:18 -0600
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@lehigh.edu
Subject: [26229] surplus electronic instruments
Message-ID: <n1299675040.21707@msmailgw1.arlut.utexas.edu>

A few Arlington's Ham Coms back, several of the NorTex QRP folks and others found a vendor with some good prices on scopes, signal generators, and other scientific and industrial electronics measuring equipment out back in the tail gate swap area.

As those things will, the business card for this vendor surfaced during a shack clean up. Although I have not had recent contact with him, this would be a jumping off address to use if one is looking for test equipment at good prices. Before this card gets lost, I thought I would share the address with the group. The vendor operated as "AIRFIRST", and the trailer full was being hauled around by Robert Bruce, from Oklahoma City, OK, 15308 Robert Av., 73165. His number was 405-794-0672, and for fax 405-794-7280.

72, Stuart K5KVH

Date: Mon, 30 Nov 1998 17:46:19 -0600
From: James Parsons <k5rov@wcc.net>
To: qrp-l@lehigh.EDU
Subject: [26230] FS: Ten-Tec 1340 QRP Transceiver
Message-ID: <36632E4B.A319AF98@wcc.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have a 40 meter 1340 TT QRP rig which I built about two months ago. It is very clean and looks like it just came out of the box. The only modification is one suggested by TT to eliminate clicks on the sidetone. The manual and the modification recommended included. I built it for the fun of building, but I operate very little QRP (yes, I am ashamed!). I will sell for 85 dollars plus 4 dollars shipping Priority two day mail.

Jim, K5ROV

--

James (Jim), Parsons, K5ROV USAF, Ret. 58 yrs a HAM
k5rov@wcc.net, ICQ-17012707, QCWA, NWQRP, Fists, ARRL
EX: W1RLA, K5FBB, K4FEO, SVOWN (CRETE), SVOWN (RHODES),
DL4NC, DL4JP, KA2FC (JAPAN), KA2JP (JAPAN).
JOHN 3:16

Date: Mon, 30 Nov 1998 15:55:53 -0700
From: Kory Hamzeh <kory@avatar.com>
To: qrp-l@lehigh.edu
Subject: [26231] Antenna's West
Message-ID: <3.0.5.32.19981130155553.036545f0@ns1.avatar.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'm looking for some Solar Cell Panels that Antennas West use to sell. I've been told they've gone out of business and have re-opened under a new name. Does any one have they name/number/web address?

Thanks much & 73 de Kory AC6RN

End of QRP-L Digest 1292
